

The Biomedical & Life Sciences Collection

Over 2,500 lectures by leading world experts

About ‘digital’: demand, quality and cost:

‘Digital’ is powering something of a revolution in university education. Everyone wants high quality video (not just recordings of live lectures and seminars). Students want it, not as a substitute for ‘contact hours’ but in addition to them. However, high quality video is expensive to produce in both time and money. Clearly there is a challenge here for universities as they seek ways to meet expectations in a cost-effective manner. Access to the collection provides a solution as it spreads the cost among many institutions worldwide.

Introduction:

The Biomedical & Life Sciences Collection contains over 2,500 specially commissioned, animated seminar-style talks, organised in series, subject categories and therapeutic areas, presented by world leading experts including Nobel, Lasker and Breakthrough prize winners. Each series is outlined and overseen by an editor who is a key expert in the field. Speakers are chosen based on their expertise and each talk is produced together with the speaker especially for the collection. The collection is reviewed and updated monthly. Topics range from the fundamentals of life sciences to the latest thinking in therapeutic interventions, from the level of the single molecule to entire populations.

Many of the talks are accredited for US Continuing Medical Education (ACCME) and UK Continuing Professional Development (Faculty of Pharmaceutical Medicine of the Royal Colleges of Physicians of the United Kingdom). Comprehensive course packages are also included in the collection with additional material to enhance the learning experience.

Subscribers to the collection include leading universities in over 50 countries around the world including USA Ivy League universities and UK Russell Group universities as well as a majority of the largest global pharmaceutical companies. The first few minutes of all lectures can be viewed at the collection [website](#), along with an introductory [animated presentation](#).

Please see Appendix 1 for a listing of examples of lectures.

How the collection is used in academia:

The collection contains more than 90,000 slides from over 2,000 contributors and is compatible with Moodle, Blackboard and other online learning environments. All talks can be embedded in whole or in part and all the slides can be printed to support note taking. In addition to meeting the needs of researchers, The Biomedical & Life Sciences Collection supports blended, distance, team and flipped classroom programmes and self-motivated learning.

Below are some of the most common ways in which the collection is used regularly by programme directors, teaching staff, graduate students, postdocs and undergraduate students in academic institutions:

- Embedding in Online Learning Systems as part of courses, in preparation for a class or as additional learning material following lectures.
- In blended, distance, team learning and flipped classroom programmes (where students access lectures at home and then attend the university for discussions, workshops, tutorials, seminars and supervised exercises).
- Material for small-group and individual-student courses which a university could not otherwise provide.
- To fill gaps in departmental expertise. No single institution can retain the number and range of leading experts represented in the collection.
- Ensuring that researchers, teachers and students have access to a wide range of expert knowledge both in their own and other fields.
- Effectively acquiring knowledge when starting a new project, and developing a deeper understanding of the context within which an ongoing project is being undertaken.
- Reducing the need to travel to and attend international conferences and preparing for such conferences when attendance is appropriate. Students, in particular, have difficulty in attending international conferences that would enable them to listen to talks by a wide range of world-leading authorities.
- To pursue self-motivated enquiry. Remember: with talks in the collection, world leading experts can be made to repeat any part of their talk as many times as required until the attendee feels they have gained a full understanding.

Complementary content matching service:

Our scientific support team is available to assist you with content matching suggestions. Send us your syllabi or email your topics of interest and we will suggest suitable lectures. Shortlists of available talks can be prepared on request to match the needs of individual research groups and departments. The service is complementary and subject to available capacity.

Access, discovery and promotion:

Access: Authentication can be controlled by one or more of the following options: IP authentication, username and password, Shibboleth and referral url.

Information portals: The collection is indexed in the following discovery systems: Ex Libris, Primo, Summon, EBSCO Discovery Service, and OCLC WorldCat. In addition, MARC records are updated and released monthly for uploading to your own catalogues.

Promoting HSTalks to your users: To help you promote the collection throughout your institution we can, at no cost to you, provide posters, brochures, online banner advertisements, quick-start videos and PDF guides and e-mail templates.

Talk suggestions: Want to target specific areas of your institution with suggested lectures? Let us know the area you wish to target and our scientific support team will provide examples of available lectures.

Faculty/Department Presentations: Members of our editorial team, are available to present the collection and answer questions from your members. Presentations are usually in the format of a webinars.

Usage statistics: To monitor the success of your promotion activities usage statistics can be provided at requested intervals.

Quick start and user guides:

A quick tutorial video can be viewed [here](#)

A quick start PDF guide can be viewed [here](#)

Further information on access, discovery and promotion is available [here](#).

A small selection of endorsements:

A selection of 1,000 endorsements (drawn from many more) can be viewed [here](#).

"This resource is an outstanding contribution to our academic endeavours and a very sensible investment by the university. The quality of this collection is second to none in my experience of the biomedical field for nearly four decades!! Well done indeed."

Prof. Herb Sewell

Pro Vice Chancellor, University of Nottingham, UK

"This site is phenomenal. These lectures provide much of the essential basics on a subject and would allow class time to be devoted to working through problems that would use what they heard as a basis for a solution."

Prof. Virginia Sanders

Director of the Integrated Biomedical Science Graduate Program, Ohio State University, USA

"This is the most fantastic resource. The combination of audio and visual info is great and means that I am constantly paying attention. Please, please, please keep it for longer!!"

Ms. Shehnaz Apabhai

Medical Student, Newcastle University, UK

"The talks are very well produced and the audio commentaries are clearly delivered and accompany the slides closely without the presenter simply reading from the text on the slides. It is as though I were reading a Nature review with an expert behind me giving a personal commentary!"

Prof. Kevin Gatter

University of Oxford, UK

"It is one of the best seminar talks I have ever experienced. Your program is indeed informational, educational and keeps me and the medical students very updated. It is an incredible asset to the scientific community as well as ordinary people."

Mr Win Min

Medical Student, University of Bergen, Norway

"The talks are comprehensive, reliable and well produced and I would recommend them to graduate

students and lecturers, as a very useful complement to lectures and to their courses. The program of talks and choice of speakers will give lecturers a chance to hear the state of the field, in an efficient and reliable way, which could not be easily acquired even by extensive reading. I commend Henry Stewart Talks for the novel and extremely useful complement to teaching and research."

Prof. Sir Aaron Klug OM FRS

Nobel Laureate, Medical Research Council

"This is an outstanding resource, I cannot think of a more cost effective way to provide our faculty and students with access to so many high calibre scientists. At a time when we are being encouraged to increase student exposure to self directed learning modules, this resource is perfect."

Prof Robert McGehee

Dean of the Graduate School of Medical Sciences, University of Arkansas

"I have already referred several senior undergraduate students to this resource. I have also recommended it to colleagues and graduate students. One of my grad students used it to study for her qualifying exams and thought it was a great way to review topical material in a short period of time. The talks are a great resource and I would continue to use them as assigned viewing and 'guest lectures'."

Prof. Tim Westwood

University of Toronto, Canada

"Our staff here at GSK/Research Triangle Park wishes to convey its congratulations to your colleagues at Henry Stewart for this first-rate collection of talks from such an esteemed panel of researchers. We are all well-served by the breadth of your efforts."

Prof. Edward Murrelle

GlaxoSmithKline, USA

Licence options for your institution:

Annual licence:

A licence for unlimited institution-wide access 24/7/365 to The Biomedical & Life Sciences Collection for all your faculty and students is just €7,850 per year.

End of 2018 Special Licence Terms:

HSTalks is currently offering the following special licence terms for new academic institution subscribers:

- Five year licence to The Biomedical & Life Sciences Collection commencing 1st January 2019.
- Fixed annual rate of €7,850 payable yearly by 31st January.
- From 1st January 2020, option to terminate the licence by notifying HSTalks in writing prior to the end of the previous calendar year.

Note: All prices are quoted exclusive of any applicable VAT.

Considering a subscription?

If you are interested in learning more about the collection, please contact:

Rob Bradman
Director

[Henry Stewart Talks](#)

Ruskin House, 40/41 Museum Street,
London, WC1A 1LT

Tel: +44 (0) 207 164 6721 ext. 105

Email: rob@hstalks.com

Continue to Appendix 1 for examples of lectures

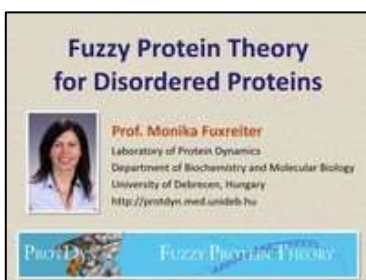
Appendix 1: Examples of lectures

Biochemistry



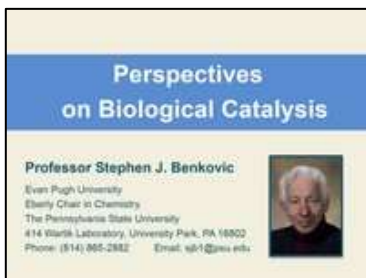
[Designing proteins with life sustaining activities](#)

Prof. Michael Hecht – Princeton University, USA



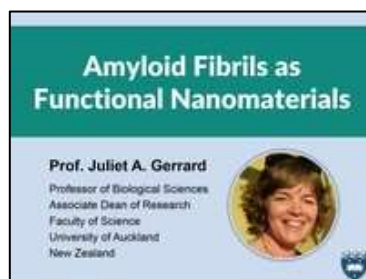
[Fuzzy protein theory for disordered proteins](#)

Prof. Monika Fuxreiter – University of Debrecen, Hungary



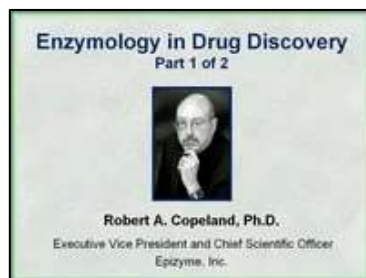
[Perspectives on biological catalysis](#)

Prof. Stephen Benkovic – The Pennsylvania State University, USA



[Amyloid fibrils as functional nanomaterials](#)

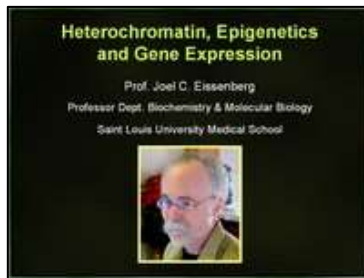
Prof. Juliet Gerrard – University of Auckland, New Zealand



[Enzymology in drug discovery](#)

Prof. Robert Copeland – Epizyme, USA

Genetics & Epigenetics



[Heterochromatin, epigenetics and gene expression](#)

Prof. Joel C. Eissenberg – Saint Louis University, USA



[The Silent Revolution: an Introduction to Gene Regulation by microRNAs](#)

Dr. Frank Slack – Director of the iRM, Harvard Medical School, USA



[Structure, evolution and dynamics of gene regulatory networks](#)

Dr. M. Madan Babu – MRC Laboratory of Molecular Biology, UK



[The molecular mechanism of X chromosome inactivation](#)

Prof. Neil Brockdorff – University of Oxford, UK



[Gene-drives and active genetics: introduction to gene-drives and their implications for health and society](#)

Prof. Ethan Bier – University of California, San Diego, USA

Microbiology



[Gram+ bacterial microbiota - Yin & Yang of infectious disease](#)

Prof. P. Patrick Cleary – University of Minnesota, USA



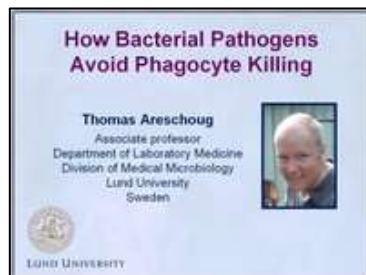
[An Introduction to Retroviruses: Replication Strategy and Genetics](#)

Dr. Jonathan Stoye – Francis Crick Institute, UK



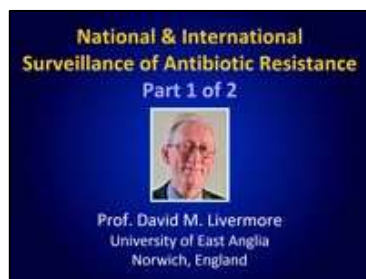
[Introduction to microbiota: agents for health and disease](#)

Prof. B. Brett Finlay – University of British Columbia, Canada



[How bacterial pathogens avoid phagocyte killing](#)

Dr. Thomas Areschoug – Lund University, Sweden



[National and international surveillance of antibiotic resistance](#)

Prof. David Livermore – Public Health England's Antibiotic Resistance Monitoring and Reference Laboratory, UK

Cell Biology



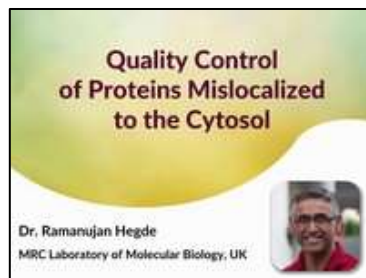
[The ERK1/2 MAPK cascade](#)

Prof. Melanie H. Cobb – University of Texas Southwestern Medical Center at Dallas, USA



[Traffic problems: inherited disease and intracellular trafficking defect](#)

Dr. Paul Gissen – University College London, UK



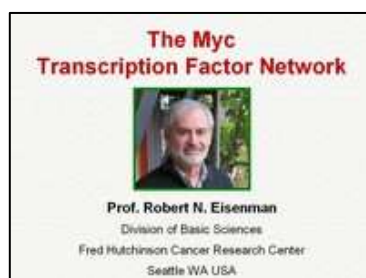
[Quality control of proteins mislocalized to the cytosol](#)

Dr. Ramanujan Hegde – MRC Laboratory of Molecular Biology, UK



[DNA damage, mutations and aging 1](#)

Prof. Jan Vijg – Albert Einstein College of Medicine, USA



[The Myc transcription factor network](#)

Prof. Robert N. Eisenman – Fred Hutchinson Cancer Research Center, USA

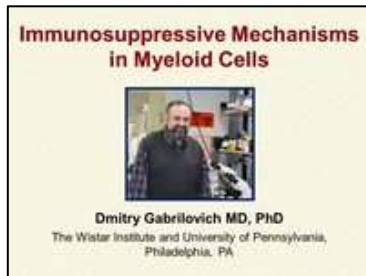
Immunology



[Priming of T cell responses](#)

Prof. Victor Appay – INSERM, France

Dr. Francesco Nicoli – Universities of Ferrara and Padua, Italy



[Immunosuppressive mechanisms in myeloid cells](#)

Prof. Dmitry Gabrilovich – University of Pennsylvania, USA



[The classical pathway of complement](#)

Prof. Mohamed R. Doha – Leiden University Medical Center,
Netherlands



[Regulation of the immune response to pathogens](#)

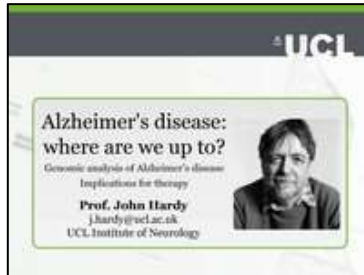
Prof. Anne O'Garra – National Institute for Medical Research,
London, UK



[Future directions for vaccine discovery](#)

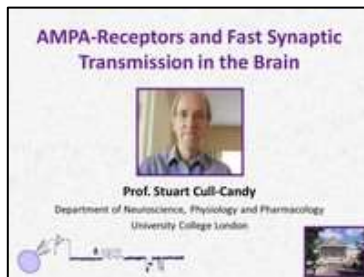
Dr. Chris Wilson – Bill and Melinda Gates Foundation, USA

Neuroscience



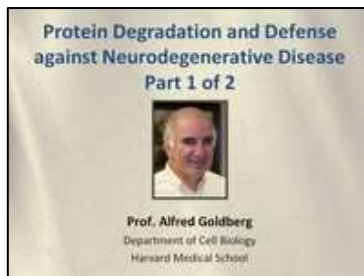
[Alzheimer's disease: where are we up to?](#)

Prof. John Hardy – Institute of Neurology, University College London, UK



[AMPA-receptors and fast synaptic transmission in the brain](#)

Prof. Stuart Cull-Candy – University College London, UK



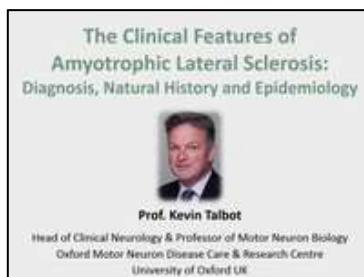
[Protein degradation and defense against neurodegenerative disease](#)

Prof. Alfred Goldberg – Harvard Medical School, USA



[Parkinson's at 200 years: an update on Parkinson's research in 2017](#)

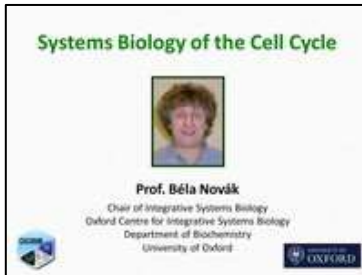
Prof. Patrick A. Lewis – University of Reading, UK



[The clinical features of amyotrophic lateral sclerosis: diagnosis, natural history and epidemiology](#)

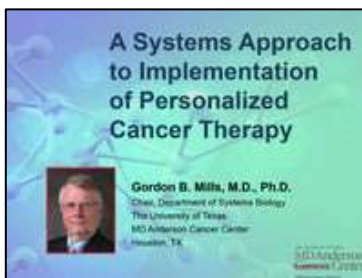
Prof. Kevin Talbot – University of Oxford, UK

Omics & Systems Biology



[Systems biology of the cell cycle](#)

Prof. Bela Novak – University of Oxford, UK



[A systems approach to implementation of personalized cancer therapy](#)

Prof. Gordon B. Mills – MD Anderson Cancer Center, USA



[Interactome networks and human disease](#)

Prof. Marc Vidal – Harvard Medical School, USA



[Comparing transcriptomes of distant organisms: the comparative ENCODE resource 1](#)

Prof. Mark Gerstein – Yale University, USA



[Impact of systems biology on metabolic engineering](#)

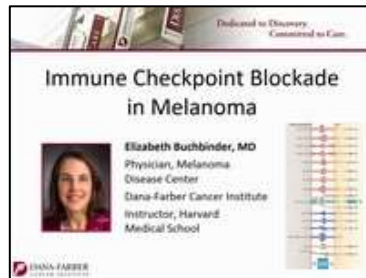
Prof. Jens Nielsen – Chalmers University of Technology, Sweden

Cancer



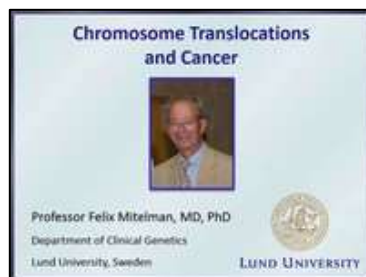
[Genetics of tumor metastasis](#)

Prof. Robert Weinberg – Whitehead Institute for Biomedical Research, USA



[Immune checkpoint blockade in melanoma](#)

Dr. Elizabeth Buchbinder – Harvard Medical School, USA



[Chromosome translocations and cancer](#)

Prof. Felix Mitelman – Lund University, Sweden



[Functional cancer genomics](#)

Prof. Roderick Beijersbergen – Netherlands Cancer Institute, The Netherlands



[Pharmacogenomics in cancer therapy](#)

Prof. Sharon Marsh – University of Alberta, Canada

Pharmaceutical Sciences



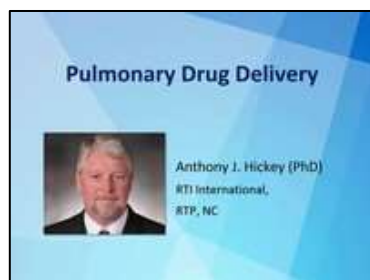
[Rules and filters and their impact on success in chemical biology and drug discovery](#)

Dr. Christopher Lipinski – Melior Discovery Inc., USA



[Structure-based drug design](#)

Dr. Nathan Brown – Institute of Cancer Research, UK



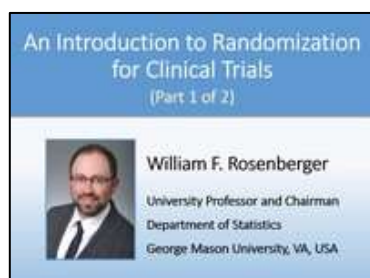
[Pulmonary drug delivery](#)

Prof. Anthony J. Hickey – RTI International, USA



[Fragment-based lead discovery](#)

Dr. Daniel A. Erlanson – Carmot Therapeutics, Inc., USA



[An introduction to randomization for clinical trials 1](#)

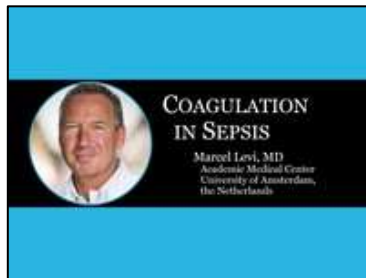
Prof. William Rosenberger – George Mason University, USA

Clinical Medicine



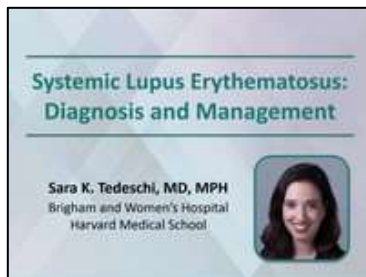
Type 2 diabetes

Prof. Edward Boyko – University of Washington, USA



Coagulation in sepsis

Prof. Marcel Levi – University of Amsterdam, Netherlands



Systemic lupus erythematosus: diagnosis and management

Dr. Sara K. Tedeschi – Harvard Medical School, USA



Post-resuscitation syndrome after cardiac arrest - Protecting the Brain

Prof. David Seder – Tufts University School of Medicine, USA



Assessment of renal function

Dr. Jochen Raimann – Renal Research Institute, USA

Diseases, Disorders, & Treatments



[Inflammatory bowel disease](#)

Prof. Ole Haagen Nielsen – University of Copenhagen, Denmark



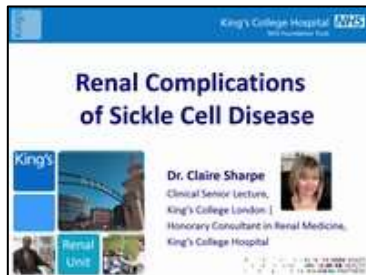
[CLL: novel prognostics, and updates on therapy 1](#)

Prof. Jennifer R. Brown – Harvard Medical School, USA



[NASH: Update on diagnostics and therapy](#)

Dr. Arun J. Sanyal – Virginia Commonwealth University, School of Medicine, USA



[Renal complications of sickle cell disease](#)

Dr. Claire Sharpe – King's College London, UK



[Psoriasis](#)

Prof. Chris Griffiths – University of Manchester, UK

Metabolism & Nutrition



[Obesity management: lifestyle and bariatric surgery](#)

Prof. John Wilding – University of Liverpool, UK



[Dysregulated eating behaviour, eating disorders and obesity](#)

Prof. Ulrike Schmidt – King's College London



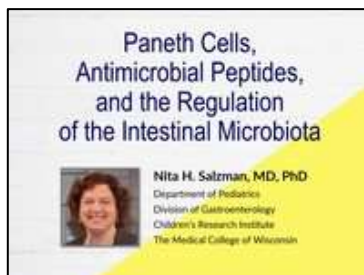
[Metabolic communication in development and control of obesity](#)

Prof. Elaine Holmes – Imperial College London, UK



[Obesity pharmacotherapy: options and uses in clinical practice](#)

Prof. Scott Kahan – Johns Hopkins University Bloomberg School of Public Health, USA



[Paneth cells, antimicrobial peptides and the regulation of the intestinal microbiota](#)

Dr. Nita Salzman – Medical College of Wisconsin, USA

Reproduction & Development



[Setting the second stage: the evolution of menopause & post-reproductive life](#)

Prof. Lynnette Sievert – University of Massachusetts Amherst, USA



[Evolutionary Obstetrics](#)

Prof. Wenda Trevathan – New Mexico State University, USA



[Left-Right Asymmetry in Embryonic Development: How epigenetic, biophysical forces and gene activity interplay to determine a major embryonic axis](#)

Prof. Michael Levin – Biology Department, TCRDB, Tufts University, USA



[Barrier mechanisms in the developing brain: protection or vulnerability?](#)

Prof. Norman Saunders – University of Melbourne, Australia



[Application of proteomics in fetal and neonatal medicine](#)

Dr. Joost P. Schanstra – INSERM, Toulouse, France

Agriculture & Environmental Sciences



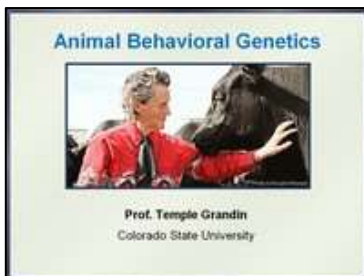
[Agricultural genetics for food security](#)

Prof. Robert Henry – University of Queensland, Australia



[Why is the world green? Top-down and bottom-up controls on ecosystems](#)

Prof. Jonathan Shurin – University of California-San Diego, USA



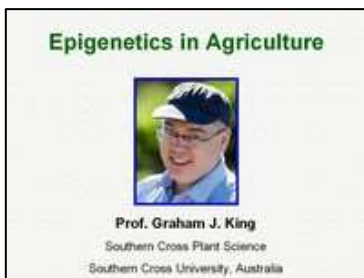
[Animal behavioural genetics](#)

Prof. Temple Grandin – Colorado State University, USA



[Macroecology](#)

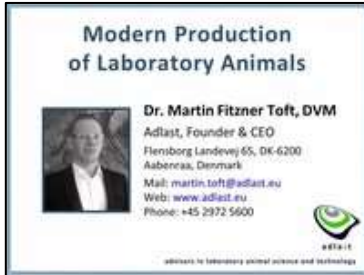
Dr. Natalie Cooper – Natural History Museum, London, UK



[Epigenetics in agriculture](#)

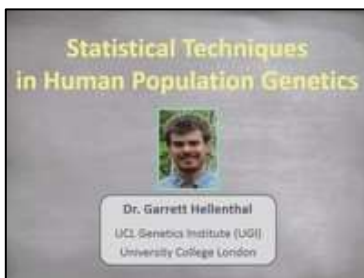
Prof. Graham King – Southern Cross University, Australia

Methods



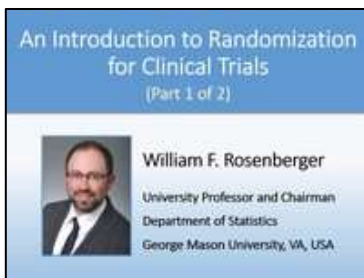
[Modern production of laboratory animals](#)

Dr. Martin Toft – Adlast, DK



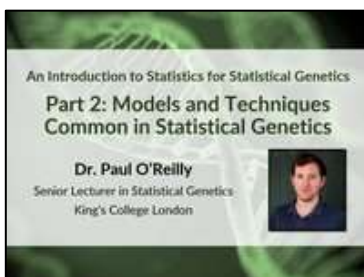
[Statistical techniques in human population genetics](#)

Dr. Garrett Hellenthal – University College London, UK



[An introduction to randomization for clinical trials 1](#)

Prof. William Rosenberger – George Mason University, USA



[An introduction to statistics for statistical genetics: models and techniques common in statistical genetics](#)

Dr. Paul O'Reilly – King's College London, UK



[Legal and ethical issues in uses of stored tissue in human subjects research](#)

Ms. Gail Javitt – Johns Hopkins University, USA